1.	Record Nr.	UNINA9910254174303321
	Autore	Favorskaya Margarita N
	Titolo	Handbook on Advances in Remote Sensing and Geographic Information Systems : Paradigms and Applications in Forest Landscape Modeling / / by Margarita N. Favorskaya, Lakhmi C. Jain
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
	Edizione	[1st ed. 2017.]
	Descrizione fisica	1 online resource (XIX, 415 p. 109 illus.)
	Collana	Intelligent Systems Reference Library, , 1868-4394 ; ; 122
	Disciplina	634.92
	Soggetti	Computational intelligence
		Geographic information systems
		Signal processing
		Image processing
		Speech processing systems
		Artificial intelligence
		Computational Intelligence
		Geographical Information Systems/Cartography
		Signal, Image and Speech Processing
		Artificial Intelligence
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references at the end of each chapters.
	Nota di contenuto	Innovations in Remote Sensing of Forests -- Overview of LiDAR Technologies and Equipment for Land Cover Scanning -- Software Tools for Terrain and Forest Modelling -- Data Fusion for Evaluation of Woodland Parameters -- Tree Modelling in Virtual Reality Environment -- Realistic Tree Modelling -- Digital Modelling of Terrain Surface -- Texturing of Landscape Scenes -- Large Scene Rendering -- Scene Rendering under Meteorological Impacts -- Lighting and Shadows Rendering in Natural Scenes -- Modelling of Forest Ecosystems.
	Sommario/riassunto	This book presents the latest advances in remote-sensing and geographic information systems and applications. It is divided into four parts, focusing on Airborne Light Detection and Ranging (LiDAR) and

Optical Measurements of Forests; Individual Tree Modelling; Landscape Scene Modelling; and Forest Eco-system Modelling. Given the scope of its coverage, the book offers a valuable resource for students, researchers, practitioners, and educators interested in remote sensing and geographic information systems and applications.